

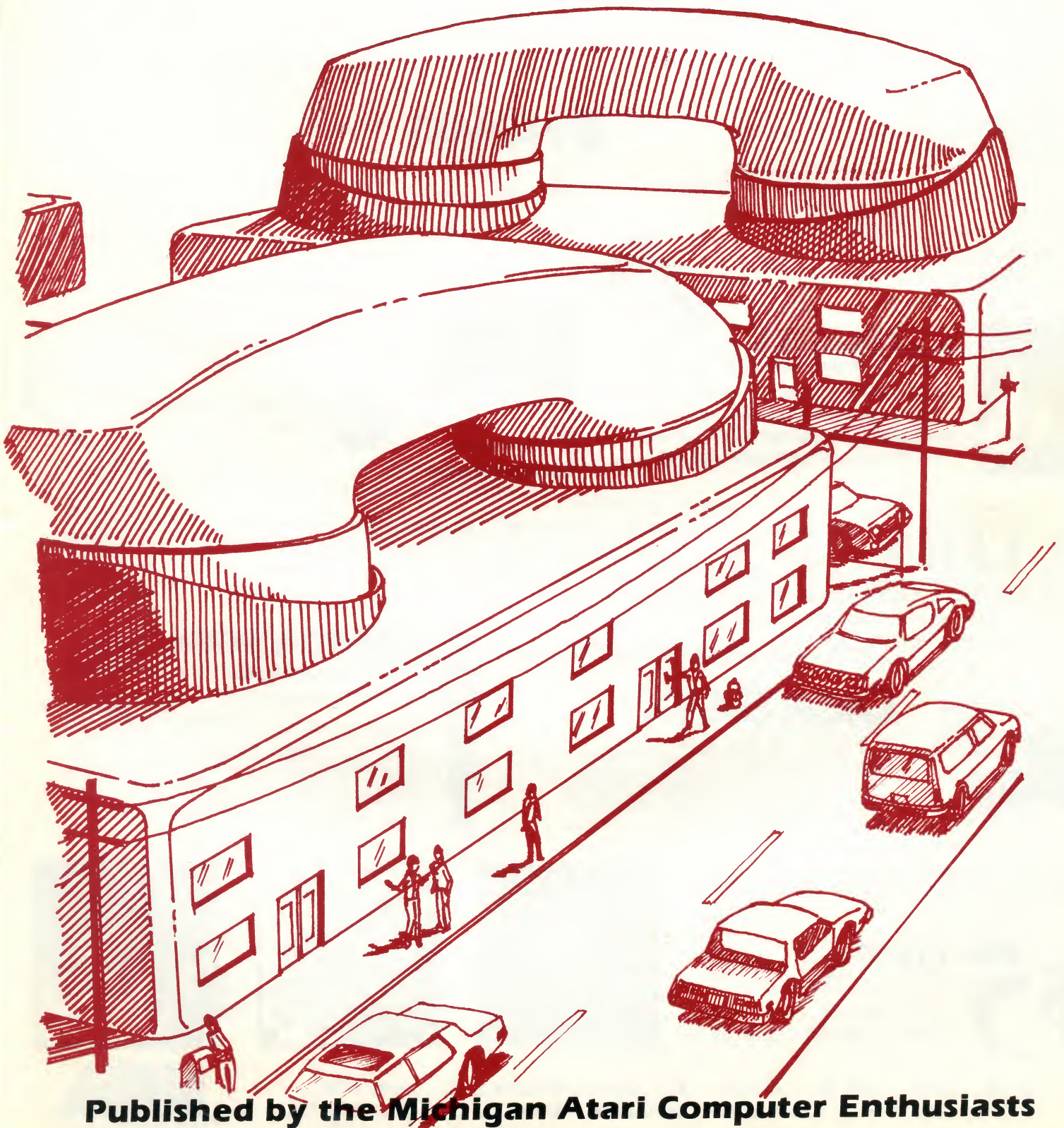
\$2.25

December, 1983

Vol. 3 NO. 12

M.A.C.E. JOURNAL

"Devoted Exclusively To The Atari Computer User"



Published by the Michigan Atari Computer Enthusiasts



595-3171

Basic Bits'n'Bytes

Personal Computer Center
34815 FORD RD. WESTLAND

WAYNE RD.

I-275 3MI. FORD RD. ★ BASIC

CONSTRUCTION ON FORD AND WAYNE IS COMPLETE !!

GIFT GIVING IDEAS FOR THE COMPUTER ENTHUSIAST ON YOUR CHRISTMAS LIST

Stitcher DUST COVERS

QUALITY COVERS FOR--
ATARI COMMODORE
GEMINI PERCOM
PROWRITER T.I.
EPSON RANA ETC.

BMC MONITORS

COLOR (WITH SOUND) \$259.95
GREEN SCREEN.....\$105.00
AMBER SCREEN.....\$115.00



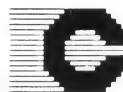
Koala

CREATE CHARTS AND GRAPHS, DRAW PICTURES
SYMBOLS, OR ABSTRACT DESIGNS. GREAT FOR
KIDS-EASY TO USE AND VERY RUGGED! COMES
WITH MICRO ILLUSTRATOR (DISK) AND PAD.

\$79.99



THE HOME ACCOUNTANT. The #1 bestselling
personal finance program in the world.



Continental
Software

\$59.95

ULTRA MAGNETICS

TEN SS/SD 100% ERROR FREE, HIGH
QUALITY DISKS PACKAGED IN A FREE
PLASTIC LIBRARY CASE (\$3.50 VALUE)
LIFE TIME WARRANTY! -- ONLY \$21.95

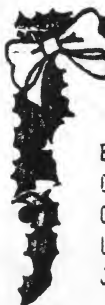


American Educational Computer



DISKBANK

FIVE INTERLOCKING
MODULES, HOLDS UP
TO 50 DISKETTES
----\$24.95----



PRINTER SALE!



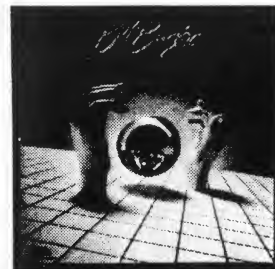
BMC DOT MATRIX PRINTER; USES EPSON
CONTROL CODES, OUT STANDING PRINT,
GRAPHICS CAPABILITIES, 80 COLUMNS,
USES PIN OR FRICTION FEED PAPER!
JUST \$289.95 WHILE THEY LAST.

ELECTRONIC ARTS

\$5

OFF

ARCHON M.U.L.E.
HARD HAT MACK
AXIS ASSASIN
MURDER ON THE ZINDERNEUF
PINBALL CONSTRUCTION SET



\$5.00 OFF ANY ELECTRONIC ARTS
PROGRAM, SALE ENDS DEC. 31, 1983


ELECTRONIC ARTS™

EDITORIAL

By Marshall S. Dubin

COVER CONTEST - This month's cover contest prize goes out to George Price of East Detroit Michigan. George wins either a years free membership to MACE or his choice of \$25.00 in software.

Remember, keep that art coming in! Each month we will select a winner for our front cover art contest. That lucky person will get a years free membership to MACE or their choice of \$25.00 in software. This is a ongoing event folks, so keep the contributions coming. Contributions should be in a square format so as to fit on the front cover beneath our masthead. Artwork should be of high contrast, preferably black ink on white paper, so it may be easily photographed with a process camera. Address all material to:

EDITOR, MACE JOURNAL
3237 DORAL DRIVE
ROCHESTER, MI. 48063

If requested at the time of submission, all original art will be returned to the owner. Cover contest is open to MACE members only.

MANUSCRIPTS - How would you like 24 pages each month that say only "NOTES" at the top? Well if we don't start getting some contributions in here pretty soon that's all that will be left to print! C'mon, I know we can't pay the rates of COMPUTE! or BYTE or whatever, but this IS YOUR newsletter, and we NEED your support! Please send your articles, reviews, tips, techniques and the like to me in care of the address above. We request you send your writing on disk or tape. These will be returned.

MACE KIDS DISK - We have put together a disk containing several selected public domain educational games and programs designed for pre-school age kids. The disk is free if you send a SELF-ADDRESSED, STAMPED mailer to:

EDITOR, MACE JOURNAL
3237 DORAL DRIVE
ROCHESTER, MI. 48063

Be sure to include return postage. Be sure to send a blank disk! If we have sufficient

requests for tape I will make one available as well.

MACE KIDS PAGE - We are now seeking contributions from MACE kids (15 and under) for articles, game reviews, high scores, artwork, etc. We will devote a page or 2 each month especially for the kids. We ask that you send in text in machine readable form, and artwork should be high contrast pen and ink type stuff. Send your contributions to the above address.

HAPPY HOLIDAYS - And one other thing...from all of us to all of you, best wishes for a most joyous holiday season!

PRONTO

Review by Tom Sturza

No, it is not a new game. There are no aliens to blast, no power pills to chomp or adventures to conquer. Pronto is a home banking/telecommunications system, that will soon be available to Atari owners in cartridge form. Chemical Bank of New York City started the Pronto home banking system in August, 1983. They are currently licensing the system to other banks, one of which is Manufacturers National Bank of Detroit.

From the comfort of their homes, customers will be able to make payments on credit accounts, utility bills, installment loans and mortgages. They will also be able to transfer funds between checking and savings accounts, check current account balances, inquire if checks have cleared or if deposits have been posted. Chemical Bank calls Pronto their 24 hour money management system.

Customers will need either a TV or monitor, a modem, a personal computer and of course, a telephone line. The Pronto system was initially designed to handle customers using Atari computers. The system will soon be modified to include Apple, IBM and other popular brands.

So the next time there's nothing especially interesting on the old TV and you are tired of zapping or crunching, dial up the bank and pay a few bills. Pronto will be waiting to serve you.

Special MACE Primer...

GETTING STARTED IN TELECOMMUNICATIONS

By Chas Nocita

I'd like to start a series of articles on telecommunications here in the MACE Journal. In this, the first of the series, I will explain how to get started. In following articles, I'll explain the different things you can do once you are set up.

First, I'd like to make a statement. Everyone with a modem is not involved in trying to break into the Pentagon's computer! Due to what the news media has christened "hacking" telecommunications has gotten a bad name. Most of us use our computers for legal purposes and have no intention of bothering other persons' property. I'd like you to keep this in mind when you join us.

To start out, you must have a computer, a modem, and a terminal program. Since you already have one of the best computers available, we can go on to the other items.

A modem is a device which takes data from a "terminal", converts it into sounds and sends it to another "terminal" or mainframe computer. There are two types of modems: acoustic and direct connect. The acoustic which is the cheaper in cost (most of the time) consists of a box with two rubber cups which you place the handset of your telephone into. Most acoustic modems will not accept "trimline" or other designer types of handsets. The direct connect modem looks like a rectangular box with two modular telephone jacks built in. Both may have switches and pilot lights on them.

Most of these modems require an RS 232 serial connector to interface with your Atari. This means that you must have an Atari 850 interface unit. There are some modems that make use of the i/o port on your Atari. And there is also a company that makes a cord that will interface a modem through the joystick ports on your computer. If you are just starting out or you don't want to spend alot of money, try to find an acoustic modem that will connect without the 850 interface.

The most important part of the package is a Terminal program. This program will convert your computer into a terminal that can "talk" to other computers. There are many terminal programs on the market, from Atari's Telelink I & II cartridges to sophisticated packages from major software houses.

The Telelink cartridges are good for starting out and they come in a package from Atari called "The Communicator". Unfortunately, the Telelink programs do not allow downloading to anything but your printer. They can be used by a novice to get online with a bulletin board, and the user can leave messages with it. Also, since the program resides in a cartridge, even a lowly Atari 400 with cassette only can get started in telecommunications.

There is a very good terminal program available from MACE also. It is called "MACE Terminal" and it was written by our own Tom Giese. This program supports both disk and cassette users and it is available from the MACE disk library. MACE Terminal does support downloading so it is really a better choice than the Telelink.

Jonesterm and Amodem are two excellent terminal programs available for Atari users. The best thing about these two programs is that they are in the Public domain and FREE!. I personally like to use Amodem. This program was written by MACE member Jim Steinbecher, and it is available on all of the MACE supported boards. You can use Amodem on any type of bulletin board, including the large databases like CompuServe. It is easy to use and pretty much self explanatory.

Starting out in telecommunications is not very hard or expensive. You can get help by attending one of the Telecommunication SIG meetings. Any of the members will be happy to answer your questions.



PRESIDENTIAL RAMBLINGS
by Mike Lechkun

Dear Santa,

I have been a good boy this year and this is what I want for Christmas (not necessarily in this order).

I want a Koala pad with all the accompanying software so I can draw pretty pictures.

I want a Percom disk drive cuz my Atari 810 never, never works right. I'm not fussy, single density is just fine.

I want an Epson printer. I hope it has Graphtrax. I don't care which one you give me.

I want a Hayes smartmodem that can transmit and receive at 1200 bauds (what's a baud, Daddy?).

I want Q*BERT. He's so funny. Even when he sez those nasty words.

I want a color monitor so I don't have to play Pac-Man in black and white.

I want 1000K for my 400 - the more the better!

I want 1000L for my 400, too.

I want the ATARI 1450XLD for my playroom.

I want a Mr T. doll so he can beat up on my cousins Barbie doll.

And last of all, I want an electric train set.

I hope I have been good enough for you to give me all this stuff for Christmas. Please make Daddy's charge card bill go away after I get all this, too. Thank you Santa Claus.

Your friend,

Brad

Now how in the world did my son's list get in here? I hope my wife doesn't see this (I really hope she does)

RUMOR MILL: will Coleco can the ADAM? Has anyone seen an ADAM computer? Are they really coming out? Will any of them work right? Heard lots of problems with their high speed tape drives, among other various gremlins that'll keep 'em from coming out by December 25th. SORRY, COLECO! (oooh! it feels so good to say that!!!)

The saga of the Presidents disk drive, Part III. No doubt you're tired of hearing about it, so I'll get off my soap box after this final installment. You will recall that in our last episode, ATARI promised me a brand new, tested and working 810 disk drive. Well, I got an 810, alright. It was tested by their top technician, Ace (I'm not foolin'). Ace said it worked fine. I suppose that doesn't count the times it goes to sleep while loading those big, huge files. In fact, Ace was in such a big hurry to get it out to me, that he(she?) scratched the top of the unit with the screwdriver used to put it together again. Actually, gouged is a more descriptive word. But I can't complain. After eleven months, I now have a (semi)dependable disk drive. And a big raspberry goes out to Paula Humphrey and all the other do-do's at ATARI Consumer (non)Support.

A couple of months ago I asked everyone to express their thoughts on TARICON '84. The silence since has been deafening. Surely some of you have an opinion on the subject? Should MACE co-sponsor it with another group or company? Should we let it just die? Should we hire a company that specializes in convention throwing to hold it for us? I again ask that you think about it, and write down your thoughts and let them be known. There truly is a need for a show of this sort, and I feel we can be successful at sponsoring it. Be vocal! Let us know what you think! Write us at our P.O. Box or call in your opinion on the MACE HOTLINE (978-1685).

It's time to sign off for now. Have a joyous and blessed Holiday season. Party hearty on New Years, but be safe and sober for our January meeting!



NO MORE DISK
By Wallace Duvall

Last month we said goodbye to the familiar, however forgettable, diskette on the front cover of the MACE Journal. In fact, the December issue will sport an entire new look! More Pizzaz! And the best part is that it will be your cover!

ANNOUNCING
The MACE JOURNAL COVER CONTEST

In an effort to decrease the number of returned (unsold) issues and boost lagging retail sales of the MACE Journal, a more attractive cover is needed. This is where you come in. Simply design an imaginative cover for the MACE Journal. You may use whatever format you like. For example; you may draw a picture on a piece of paper, or submit a photograph, a collage of photographs, or use one of the many screen painter programs available. Actually, the newsletter staff would be more than happy to consider anything suitable for a magazine cover. We would like to make the cover and the contents of the newsletter coincide with the theme of that month's general meeting. Let's see how many spiffy, interesting cover submissions we can get to grace future covers of the MACE Journal!

Now for the rules:

- 1.) Submissions must be size 8 1/2 x 11 or on disk.
- 2.) Only ORIGINAL entries can be accepted.
- 3.) Submissions will become the property of MACE.
- 4.) Submissions should be of high contrast, preferably black ink on white paper, so that it may be easily photographed with a process camera. That's all!

Here's the good part! A gift certificate worth \$25.00, valid at your favorite computer store, will be awarded for the entry used as the cover of the MACE Journal each month. Once an entry is submitted, it will be re-submitted each month as a possible candidate for a cover. That gives you an unlimited number of chances to win!!! You may enter as often as you like (the more-the better).

Please mail submissions to:
EDITOR, MACE JOURNAL
3237 DORAL DRIVE
ROCHESTER, MICHIGAN 48063

Now that we have a beautiful cover, we need some beautiful stuff to go inside! Articles are joyfully accepted from any MACE member for possible printing in the MACE Journal. Starting next month a free disk will be awarded for every article published. We need articles on:

- Software/hardware reviews
- Likes/dislikes
- Programming
- Monthly columns
- Computer related events/shows

Even with a beautiful cover, the MACE Journal is only as good as what's inside. Fortunately, MACE has a lot of talented members and I'll bet you're one of them!

Please send articles on disk or tape to:

MACE Journal
3237 DORAL DRIVE
ROCHESTER, MICHIGAN 48063

Let's continue to make the MACE Journal the most attractive, most interesting magazine for ATARI. And don't forget you may win a \$25.00 dollar gift certificate (cover contest) and/or a free diskette (article of the month)!

COMING
ATTRACTIONS
JANUARY 17th
Meeting

So far, here's what's scheduled:

- Business meeting
- CES slide presentation
- Compumax (small business software) demo
- Game demos
- AtariWriter demo
- Last half hour of program,
BASIC FOR BEGINNERS

Tom Sturza
Program Coordinator

MODEM WARS by Dave Peyton

[Editors note: This article has been taken from the December '83 issue of TODAY - THE VIDEOTEX/COMPUTER MAGAZINE, with the permission of CompuServe Inc., its publisher. Contrary to our usual reprint policies to other user or educational groups, this article is not reprintable]

Twenty years ago, only a handful of people knew what a modem was; fewer owned one.

Today, most people with even a passing acquaintance with computer terminology know what a modem is. In fact, modems have become standard equipment with many computer users. After all, the modem is the heart of computer communications. Without the little bundle of wires and electronic components, computers would be lonely islands in a sea of information. But with them, computers and their owners can communicate via standard telephone lines.

Strange that such a simple, helpful little device could cause the furor it did last summer in Oklahoma. Some tagged it the "modem wars." The controversy raised the ire of many computer users in Oklahoma and sounded a warning to computerists everywhere.

Southwestern Bell of Oklahoma made it known that it could and would tack a \$49.50-per-month charge on the phone bill of anyone who used a modem connected to a computer or smart terminal on one end and a phone line on the other end. It didn't matter if the user was a hobbyist or a business user, or if the modem was used five minutes a month or 24 hours a day. The charge was still set at \$49.50 a month.

Then in late October, Southwestern Bell of Oklahoma changed its mind. It announced that it would seek approval to terminate the so called "modem charge" on Jan. 1.

Southwestern Bell had history on its side when it was still taking the position that it could charge a modem fee. The company obtained the right to charge the additional fee from a tariff passed in 1966 that states:

"Customer-provided data trans- mitting

and receiving equipment that process data and/or perform calculations will be connected to the exchange network of the telephone company through the provisions of Information Terminal Service. Examples of data transmitting and receiving equipment would include computers, associated buffering devices and/or concentrating devices with store and forward capabilities located on the same or different premises."

Miles Kotay, a spokesperson for Southwestern Bell in Oklahoma City, admitted the rule was written in the stone age of computerization when modems were the exclusive property of American businesses involved in transmitting large amounts of data. "But it's still a tariff, and as long as it's a tariff, we intend to enforce it."

The enforcement of the tariff has turned into perhaps the first quasi-political issue among computer hobbyists, who say they are being discriminated against because of their avocation.

The modem charge issue was brought to the attention of the media last spring when 16-year-old Robert Braver of Norman, OK, began paying the Information Terminal fee and charging it was unfair to the hobbyists who used their modems only a few hours a week.

It began last May when Braver, who was operating a bulletin board service out of his home, complained to the Oklahoma City office of Southwestern Bell about a problem with harrassing calls to his service. Southwestern Bell checked his records and found he had a modem connected to the lines and a computer connected to the modem. He was told he'd have to pay the modem charge.

Braver sounded the alarm. He contacted several local users and founded a modem users group. Then he told an Oklahoma City TV station about the charge. A camera crew and reporter came to his home to do a story about his fight and the modem charge he was paying.

The story aroused the anger of several Oklahoma modem users. One of them was Jerry Latham of Midwest City, OK. Latham decided to do his part by speaking before several user's groups and circulating a petition to the Oklahoma Corporation

Commission. Latham and others pointed out that if it was simply a matter of expected high telephone usage by those with a modem, people with modems in their homes probably have the modems connected to open lines less time than the average teen-ager spends on the telephone. "If there's going to be a modem connect charge, there ought to be a teen-ager connect charge," one user suggested.

There was never any indication Southwestern Bell of Oklahoma was searching its files for registered modems or scanning its lines for the familiar modem tone. And few people were paying the charge. Many were simply not reporting their modems to the phone company or taking other diversionary steps. One Oklahoma modem user, who did not want to be identified, admitted he circumvented the tariff to get out of paying the charge. When the issue came to the forefront, he started checking with Southwestern Bell about the specifics of the tariff.

"Once I started checking with Bell, they took an interest in my setup also, and thus, for a few days I was subject to the rule. I assured them I was disconnecting my equipment."

Then, he said, he read the rules which state that "teletypewriter machines and similar input terminal devices are not within the provisions" of the tariff.

"I contacted the phone company and told them that I was reconnecting with a teletype with 300 baud capability," he said.

Southwestern took him at his word, he said, and never asked questions. Even today, as far as Southwestern is concerned, he has a teletype connected to his modem instead of a computer.

Concerned computer users [as well as this editor] feared that the fee could spread nationwide in a matter of months. The reason? "Ma Bell" is letting go of her 22 operating companies Jan. 1st. And those companies are searching for ways to make money on their own.

Some saw the Oklahoma Information Terminal fee as a trial balloon. If the fee held up in Oklahoma, it would hold up in the rest of the United States. And the operating companies

would have found an easy way to make big bucks off the new technology explosion in America.

Kotay denied that the fee was a test case for all of America. And if it was a trial balloon, it apparently is of the leaden variety and sinking fast since Southwestern Bell has changed its mind. "The tariff was enacted at a time when only businesses were using modems," Kotay said. "Most of these businesses transmitted data many hours a day. The terminal charge wasn't for data grade lines, but simply because our lines were being used so much of the time," he said.

Kotay added that what Southwestern Bell is saying by dropping the modem charge has been said before. "We are in the business of leasing lines, not providing or charging for the equipment connected to those lines."

Kotay predicted the tariff would have been altered regardless of the planned Jan. 1 breakup. "It was a dinosaur tariff all along. Once it became public knowledge, I think it was doomed in its present form from the very beginning. The fact that the divestiture takes place on Jan. 1 speeded it up a little, however," he said.

The cynic might suggest that all this hoopla was much ado about nothing, that the modem charge, once exposed, was doomed from the start because it was archaic and probably unenforceable. But it may have proven a point to those who are oriented toward the home use of computers. It may have proven that concerted action on the part of users and user groups can get things done and in a hurry. Some still see it as a form of political action that got results.

But even the cynics must grudgingly admit that there are potholes in the high-tech road that must be explored and repaired as best they can without disturbing the kinetics of this new and still slightly fragile network of communications.

Dave Peyton is a free-lance writer from Huntington, W. Va. His CompuServe User ID is 76703,244.



PLATO'S CORNER

There are a number of topics I would like to discuss this month not the least of which is the introduction of a new monthly column to be called "Kid's Corner".

Each month we would like to have a different author, age 6-16, who would tell us how the world of computers is perceived through the eyes of a child. Their discussions might include their experiences, computer equipment, programs they've written or enjoy, or even unique applications they have discovered for their computer. Submittals would be preferred in text form on either disk or cassette.

With a slight bit of parental leverage our initial article has been donated by Plato's own first-born. I hope you enjoy his insights and please encourage your children to submit an article so that we might all share in their experiences.

With the advent of the holidays most of us will be looking for gift ideas for that special computer friend or child. Therefore this might be the appropriate time to take a look at a few of our favorite programs from the past year.

ATARI LOGO: This is Sunnyvale's most recent release, and with all things considered this may be the finest product Atari has released to date. I hope to do a more in-depth report on LOGO in an upcoming article, but I can't help but mention it here as my top recommendation. The potential of Atari's version of LOGO, which is available on a 16K cartridge, is as unlimited as the young minds who will explore it. If you only buy one product for your Atari computer this year let it be LOGO.

ATARI PAINT: This program was reviewed in last month's article. Paint is an exceptionally well written and documented program dealing with computer art. If you've ever wanted to

splash those bright colors on a canvas or create your own original abstract this is the program that will help you do it.

PINBALL CONSTRUCTION SET by Electronic Arts: Apple's Steve Wozniak called this "the best program ever written for an 8-bit machine." This is the perfect choice for the young inventive mind looking to create the ultimate pinball game. The complexities and variations offered by this program will certainly provide endless hours of exploration.

ADVANCED MUSIC SYSTEM by APX: AMS certainly takes advantage of all of the sound capabilities of the Atari computer. Anyone with a working knowledge of music structure will quickly appreciate AMS. You can listen to as many as four separate voices over a 5 1/2 octave range and watch the music being played on a piano keyboard. The demo mode alone on AMS is worth the price of admission.

LETTER, DATA, AND SPELL PERFECT by LJK: As a compatible package for word processing, data management, mail merge and spelling checker there is nothing that comes close to the LJK series for the Atari. The programs are fast, well documented, and extensive. When you're ready for these types of applications on a home computer this is the one to buy.

BASIC COMMANDER by MMG: If you're inclined to do any BASIC programming or rewriting of programs then Basic Commander is a must. The numerous features of Basic Commander make this the finest programming aid available. The renumbering routine is so fast that it has become a point of amusement for me. Basic Commander is my personal favorite.

SNOOPER TROOPS by Spinnaker: Snooper Troops is just one of the many excellent educational programs available from the people at Spinnaker. If you are looking for educational programs that involve the child rather than using the child then I'd recommend checking out the entire Spinnaker product line.

So much for our shopping list. Software developers are predicting great things for 1984. For the past three years the quality of programs has been increasing in direct proportion to the programmers familiarity and

experience with the Atari computer. We'll try to stay on top of the latest releases in the months to come and provide reviews of those we feel to be noteworthy.

Cindy and Jim Rice of Computer Cellars have consented to make their facilities in Rochester available for an educational workshop on saturday mornings. Look for their ad in this month's journal for information on times and details of the workshop.

Thanks to Marshall Dubin for his "Kids Disk" that he demonstrated at the last meeting. We'll be working out the details with Marshall to make available the first two disks of the educational software library. Details should be available in next month's newsletter. As always your contributions to this effort will be greatly appreciated.

Now for our homework assignment. The two versions of the program that follow are intended for the amusement of the little ones (ages 2-5).

The programs are an introduction to the keyboard with the added dimension of color and sound. Version one displays a single letter or number in the center of the screen. As it is typed from the keyboard the screen will change colors and a different tone will be heard. Version two differs in that the letters and numbers are displayed in sequence and continue to be displayed until the return key is hit.

Version one

```
10 ? "TURN UP THE TV VOLUME AND HIT
ANY"
20 ? "KEY EXCEPT BREAK.":FOR A=1 TO
2200:NEXT A:? CHR$(125)
30 OPEN #1,4,0,"K"
40 GRAPHICS 2:POKE 710,72:POKE 712,72
50 GET #1,P
60 POSITION 9,4:? #6;CHR$(P):SOUND
0,P,10,8:POKE 710,(P-5):POKE 712,(P-5)
70 FOR X=1 TO 60:NEXT X:SOUND 0,0,0,0
80 GOTO 50
```

Version two

```
10 X=4:Y=4:? "TURN UP THE TV VOLUME
AND HIT ANY"
20 ? "KEY EXCEPT BREAK. RETURN KEY":?
```

```
"WILL CLEAR THE SCREEN.":FOR A=1 TO
2200:NEXT A:? CHR$(125)
30 OPEN #1,4,0,"K"
40 GRAPHICS 2:POKE 710,72:POKE 712,72
50 GET #1,P
60 SOUND 0,P,10,8:POKE 712,P-5:POKE
710,P-5:POSITION X,Y:? #6;CHR$(P)
70 IF P=155 THEN ? CHR$(125):SOUND
0,0,0,0:X=4:Y=4:GOTO 40
80 X=X+1:IF X>18 THEN Y=Y+1:X=0
90 FOR D=1 TO 75:NEXT D:SOUND 0,0,0,0
100 GOTO 50
```

I hope everyone has a happy and safe holiday and we'll see you again at the January meeting.

As always if you have any comments or suggestions please write :

Plato
552 Pinehurst
Rochester, mi.
48063
(313)375-9275

SOFTWARE SUPER SAVINGS

Apple¹·Atari²·IBM³·Com64⁴

UP TO 1/3 OFF LIST

		PAY	LIST
124	BANKSTREET WR.	49.99	69.95
124	CASTLE WOLFEN.	19.99	29.95
1234	ENCHANTER	35.99	49.95
12	GRAPHIC MAGICIAN	42.99	59.95
124	HOME ACCOUNTANT	47.99	74.99
124	KNIGHTS DESERT	27.99	39.95
124	LODE RUNNER	24.99	34.95
1234	PLANET FALL	35.99	49.95
2	Q-BERT	37.99	49.95
12	RANA DISK DRIVES	CALL	
1	SARGON III	37.99	49.95
1234	SNOOPER TROOPS	31.99	44.95
124	TAX ADVANTAGE	41.99	59.95
1234	ULTIMA III	39.99	54.95
1234	WITNESS	35.99	49.95
12	ZAXXON	26.99	39.95
1234	ZORK 1,2,3 EA.	26.99	39.95

DISKS ELEPHANT MAXELL

12	SSSD	\$17.99/10	—
23	SSDD	\$21.99/10	\$27.99/10
3	DSDD	\$26.99/10	\$39.99/10

(313) 528-1554 P.O. BOX 569
The Computer Express DEPT. 1
FREE CATALOG TROY, MI 48099

MASTER CARD/VISA/CHECKS/MONEY ORDERS/COD ACCEPTED

SHIPPING: US \$2 CANADA \$6 FOREIGN \$10 MICH ADD 4% TAX

SUNDAY 12-5 TILL CHRISTMAS

**YOUR ONE STOP MARKETPLACE
FOR ALL YOUR COMPUTER NEEDS.**



RITE WAY



COLUMBIA

DATA PRODUCTS, INC.

CASH REGISTERS • COMPUTERS



**EAGLE
COMPUTER**



Rana Systems



CompuServe

PERFECT FOR PARTIES!

**HIGH PERFORMANCE
FLOPPY DISK \$1.49**

- PAC MAN
- STAR RAIDERS
- CENTIPEDES
- GALAXIN

**COMPUTER
SOFTWARE**

YOUR CHOICE

\$29.95

**THE
ENTERTAINER**



INCLUDES
**PAC-MAN® &
STAR RAIDERS™**

\$69.

Ideal Gifts!

Expires

12/25/83

Stair
MICRONICS • INC

MAKING A NAME FOR OURSELVES

GEMINI-10X

\$299.

Stitcher Inc.
COMPUTER COVERS



Koala

Technologies Corporation

We make computing more personal.™

For Atari,® Commodore,®

\$79.



ATARI SERVICE

FACTORY AUTHORIZED NETWORK

**AUTHORIZED
SERVICE FOR**

- Atari • Franklin
- Gemini • Prowriter
- R.C. Allen • Epson

- ☐ PERSONAL COMPUTERS
- ☐ BUSINESS COMPUTERS



**Flip-N-
File™**

\$19.95



Gift Certificates

**COMPUTER
FURNITURE
Workcenter/Hutch**

NOW

\$199

WHAT DO WE SAY ABOUT COMPETITION? WE WELCOME IT!



RITE WAY ENTERPRISES

COMPUTERS
SOFTWARE
CASH REGISTERS

SALES
SERVICE
SUPPLIES

WARREN
8262 12 MILE RD.
751-2454

SOUTHFIELD
EVERGREEN PLAZA
12 MILE & EVERGREEN
559-2980

DEARBORN
22027 MICHIGAN AVE.
562-3178

OPEN MONDAY THRU FRIDAY 10-9, SATURDAY 10-6



KID'S CORNER

By Gary Grobson
Age 12

For my birthday this year I received an Atari 400. This works out well because while my dad balances his checkbook, writes Plato's Corner or works on other projects on the Atari 800, I can do what I like to do on my Atari 400.

I will use the atari 400 for writing programs, and using languages like BASIC and LOGO. I like BASIC because it is fairly easy to learn and there are many programs in the computer magazines to type in. Some of my favorite magazines are COMPUTE!, ANTIC, ATARI CONNECTION, and the M.A.C.E. Journal.

My favorite language is LOGO because of the turtle graphics. By using simple commands I can make the turtle do great graphics that would be difficult to do in BASIC. Instead of typing line numbers you "define" the command, then when you type the new command the new routine will run. This means I can teach the computer new words so it will understand what I want it to do.

I do almost all of my homework on the Atari 800 using a word processing program called Bank Street Writer. Bank Street Writer was designed for kids. My teacher likes me to do my homework on the computer because it is easy to read and if you need to do it over it will only take a few minutes to correct the errors. This program helps you understand one of the real purposes for knowing about and using the computer. My teacher thinks I'm computer literate.

My brother Karl had problems keeping track of his football cards. Now he uses a database program to organize his collection. I thought that was a neat idea.

We recently received a book from the Reston Publishing Company called Rainy Day Activities for the Atari. It has 50 programs for kids 3 to 9 to type into the computer.

I like the programs that involve the joystick. Most of the programs need a joystick anyway. None of the programs are longer than 20 lines. This is good because it will only take a few

minutes to type them in. There are programs that involve letters, words, names, numbers, designs, colors, and music. You can make a whole disk full of programs for your children, or little brother or sister. This book tells you how to type in the programs, how to play them and what the program looks like on the screen.

I've done all these things on the computer and enjoy it very much. I look forward to the programs that M.A.C.E. comes out with. I hope to be able to write another article for M.A.C.E. someday.

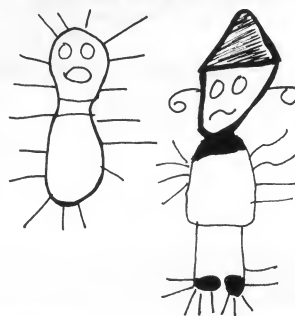
The Teacher's Call

by Jane Simon

The other day I received a call from my son's kindergarten teacher. She sounded concerned as she spoke of Robert's overly vivid imagination. It seems that while his classmates were making drawings of Scooby Doo and He-Man, he was making pictures of a battle between an evil necromancer and a powerful wizard. Also on other occasions he had drawn contests between banshees, unicorns, and golems. I reassured her that Robert's imagination was not working overtime. All of the characters she had mentioned were in games that he liked to play on his Atari computer.

She seemed relieved, and spoke of the math sets to six that she would be presenting to her class next week. I did not have the heart to tell her that Robert had been working on sets to twenty, with a program from one of the MACE education disks. Nor did I tell her that when the Atari is in memo-pad mode, he likes to type the numbers from one to one-hundred.

I'll just wait for her next call.



Evil necromancers?

Using the MACE
Smart Terminal Program
By Tom Giese

To use the MACE smart terminal program you need the following equipment: an Atari computer with at least 16K (24K for disk) memory, a cassette recorder or disk drive, cassettes or diskettes for storage, an Atari 850 interface, a modem, a modem cable, a telephone line, a TV set or monitor, and a copy of the MACE smart terminal program. Modems that directly connect to the Atari without an 850 interface will not work with the MACE smart terminal program.

Getting Started:

First make a backup copy of your MACE smart terminal program. Use the backup, not the original, as your working copy. Then remove BASIC or other ROM cartridge from your computer.

Turn on power to your disk drive and 850 interface. For the cassette version hold down the <START> button and press play on the cassette recorder. Then turn on your computer. In a few seconds the main menu will be displayed. The MACE smart terminal program comes configured to talk and listen as a standard ASCII terminal. This is suitable for non-Atari bulletin boards and commercial services like the Source. If you wish to use the MACE smart terminal for other applications you will need to change your parameters and the translation mode.

Program Parameters:

Display received characters-Yes

The only time you would not display received characters is if you have two computers connected together with a null modem cable.

Echo received data to modem-No

The only time you would echo received data if you are talking to a dumb terminal.

Full on half duplex-Full

If you are talking terminal to terminal then use half duplex.

Smart send mode-No

Smart send is used on full duplex systems when the "computer" end cannot receive data at the full baud rate. This is true of some bulletin boards.

Left margin column-2

If you have a monitor you may want to set this to zero.

Use X-ON, X-OFF send mode-No

Say yes to this parameter if the system you are talking to will send control-S to stop your transmissions and control-Q to resume your transmissions. If you are using a 1200 baud modem you may want to configure this option to keep the modem from being overrun.

Serial port number-1

Use the port number that your modem is connected to. If you have another serial device to talk to you may use that port also.

Use translation tables-Yes

Say no if you are talking to another Atari system or a system that understands the Atari. For no translation set your translation (option-X) to 32.

Save text characters only-Yes

This parameter is useful for removing control characters from received data. Set this parameter to no for receiving text as-is.

Word wrap enabled-Yes

This is a new parameter for the version 3.5 of the MACE smart terminal program. Word wrap removes partial words from the previous line on the display screen and moves them to the next line. This makes reading the text easier.

Questions and Answers

Q. I have my MACE smart terminal program configured for the Amis bulletin board with no translation but I cannot talk to my Hayes modem. What's wrong?

A. The problem is in the carriage return. A

THE SHOCKING TRUTH ABOUT MA BELL

By Fred Parr, Jr.

If you're like me you've probably built up a considerable investment in your computer and it's peripherals. If your system includes a modem you may be interested in what happened to me.

They say lightning never strikes the same spot twice. That may be true but I'll swear it can strike mighty close to that spot! Let me back up a bit and tell you my story.

About a year and a half ago lightning struck the ground several hundred feet away from my house. You might be tempted to say "Whew! That was a close call!" and you'd be right - unfortunately a little too right! You see in my subdivision all the utility lines are buried in-line behind the rows of homes. At that time the two lots next to mine were vacant and it was in that area that the lightning struck. Now it didn't strike right on top of the lines (luckily) but it did strike close enough to induce a voltage surge that raced down the Edison line straight into my house (I was the closest) and right through all of my stereo gear and two T.V.'s (plus several other items too numerous to mention). My computer gear, also along that path of destruction, was spared because I had protected it with an A.C. surge protector. These devices, while not effective against a direct lightning strike, will do an admirable job against lessor(?) surges such as the one that hit me.

After fixing what could be fixed and replacing the rest of the damaged equipment (and, of course, settling up with the insurance company who paid all but the deductible) I set about installing A.C. surge filters on every thing in sight! I had gotten paranoid! I had always told myself "It can never happen to me" (sound familiar?) but now it had and I was taking no chances on a repeat performance. The sting of paying the insurance deductible and the gloom of being without T.V.'s and stereo for more than three weeks still loomed darkly in my memory. Soon the task was completed. My home was now a fortress with strong walls of filters and suppressors on

guard to ward off any (most any) assault by the evil forces of Darth Surges, Master of the Dark Side of the A.C. (You remember the story of Darth. How he was drawn to the Dark Side through a polarized electrical plug whose grounding lug had been destroyed in the great Yanking Attack during the first Pliers War and subsequently found himself being plugged into a wall outlet with his polarity reversed...).

But then one day I invited a stranger into my fortress. Its name was modem and it promised to open whole new worlds to me and my computer. And indeed it did! It showed me new places like bulletin boards and strange new lands with names like Compuserve and The Source. No, I hadn't forgotten my earlier mishap - I dutifully connected Modem's power plug to my filtered, protected power supply and assured my little friend that no harm could come to it. Little did I know...

Several months later, during the rainy season they call summer here in Michigan, a thunderstorm rumbled into our peaceful subdivision. "Don't worry my friends" I assured my 800 system "you're as safe as man and machine can make you". I quickly laid my data files to rest and powered down my system (so as not to take any chances at all). I'll come back tomorrow after all this blows over I thought. After all (yawn) it is past three a.m. and I could use some rest.

During that night the wind howled and the rain came down in torrents. The lightning growled and snapped with its sharp "spiked" teeth. Several times thunder claps woke me as lightning seem to strike all around. Each time I fell back asleep secure in the knowledge that all my circuits were safe. Or so I thought...

The next evening I returned to my desk to print out the previous day's work. The disk drive booted, the computer powered-up, the interface and printer glowed "ready". But what's this? My printer refused to print! Drat! What gives here? I played with the cables and re-booted the system. The files still came up on the screen but not on the printer. Darn printer must have gone on the fritz I thought. I guess I'll check out a bulletin board or two and worry about the printer tomorrow. Flipping on the modem I instructed it to dial one of my favorite boards - no dice! I tried

again - still nothing! My stomach started to knot, just like it does at the top of a roller coaster.

"NO, it CAN'T be!" I roared, "MY system's protected!". After all, the 800 worked, the disk drive worked, what could have hurt the modem and printer (and the inter face too although I didn't yet realize it) without hurting them? The possible answer was offered by a friendly customer service rep of the modem's manufacturer.

She suggested that a voltage surge could have entered part of my system through the telephone line. "But not very much current could get through that skinny little telephone wire" I replied, "When you think about it, not much would be needed to damage those micro-circuits your peripherals contain" she said. Makes sense, I thought.

I never found out for sure but all signs indicate that the phone line was at fault. You see, it's buried right next to the electrical line running behind the house and a surge generated in one of those lines could have been inductively passed to the other. Even if a spike was blocked on the electric line it might have entered on the unprotected telephone line.

So what can you do to avoid this unlikely (yet possible) calamity? You've got basically two choices. First, you can just disconnect your modem whenever you're not using it (or when there's a storm brewing) - a cheap solution but frankly a nuisance (and what if you forget?). Second, you can buy a telephone line filter. Now this is easier said than done. I checked several computer stores in the area and while almost all of them carried A.C. line filters none of them carried telephone line filters.

I finally found I could order one through The Computer Cellar in Rochester - they were the only ones that had a source for this sort of filter. Now I can't tell you how well it works yet (maybe I'll have to play Ben Franklin this spring) but I think it's worthwhile even if it works just once. By the way, the same telephone filter can also be used to protect your expensive cordless, auto-dialing, and speaker phones as well.

FFjr

Sensory Excitement Systems

is now part of

STELICOR

That's good news for you and for us. Because as part of the Stelicor Systems, Inc. network, we'll be able to offer you a greater variety of computer accessories and peripheral products than before.

Yet, you won't lose any of the personal service and contact you've always enjoyed from S.E.S. You can even call us at the same telephone number. Steve, Eli and the rest of the original S.E.S. staff are still there, still ready to help and still offering the finest prices in the Metro Detroit area.

Call us today. We've changed for the better. And kept all the good things we had.

STELICOR SYSTEMS, INC.

313/541-6020

TELECOMMUNICATIONS CORNER

by Chas Nocita

Using CompuServe

One of the best things about telecommunications, is that you can meet new folks from all over the country, play games, purchase appliances, software or sporting goods, get a recipe or check the stock market without going anywhere. You can do this by accessing a large database like CompuServe in Columbus, Ohio. You can join by purchasing a starter kit from most computer dealers for about \$35.00. The cost of this kit includes the sign-up fee, a users manual and five hours of on-line time. There is a local phone number in the Detroit area, so you don't have to make a long distance call to get on-line.

CompuServe is set up in "page format" and it is a menu-type system. After typing in your user i.d. and your password, you are greeted with a main menu. This menu allows you to go to any of the main areas of the service: "Home Services", "Business & Financial", "Personal Computing", "Services for Professionals", "User Info" or the Index. Any time you see a "!" prompt, you can type in your selection including a direct location (GO PCS-132). A list of all the different areas is included with the users manual.

One of the first places I access is the Atari SIG, located at PCS-132. This SIG is set up for Atari users and it has all the features of a bulletin board, including several message boards and a large number of available downloads. You can read different comments and opinions in one of the databases or download a number of public domain programs. The SIG sponsors contests for the best user-written programs and has awarded prizes of software to the winners. This section alone is worth the membership fee.

If you are in the market for any type of appliance, you can "GO CVS" at any "!" prompt and enter "Comp-u-store". This service provides you with a large number of selections including cameras, watches, radios, T.V.s and stereo equipment and software. Prices are about normal and some of the items are real bargains. You can browse the Comp-u-store

service free when you first sign up but a separate membership fee is required if you want to use the service.

Another interesting area is the "Athlete's Outfitter" (GO HAN). You can purchase all kinds of athletic equipment and clothing at very good prices. There is no additional charge to use this service and you can use your Visa or MasterCard to make your purchases.

If you like on-line games, you are in the right place. CompuServe has a large number of games you can play on-line with the computer. Also available are games that you can play against other CompuServe users who are on-line at the time. "Mega-wars" and "Spacewars" are multi-player games of the shoot-em-up type. There is also a game called "Multi-player Casino" which allows you to gamble as either dealer or player against other CompuServe gamers.

Another feature of CompuServe is the "Citizen's Band Simulator". This service allows you to speak to other users who are on-line at the time. You can talk to people from all over the country both publicly (like a real C.B.) or you can meet with just a few people privately. There are forty channels available for setting up conferences or meetings.

"E-Mail" is CompuServe's electronic mail service. You can send or receive mail to any of the services' members including some manufacturers who belong to CompuServe. There are two editors that can be used to compose messages and the messages may contain up to 4,000 characters each.

CompuServe has changed some of their rates, and they are still very reasonable for a large database. The current rate for 300 baud standard time service (from 6 p.m. to 5 a.m.) is \$6.00 per hour. 1200 baud standard service is \$12.50 per hour. The prime time rate (from 8 a.m. to 6 p.m. weekdays) for 300 baud has been lowered from \$22.50 to 12.50 per hour. In addition, there is no longer a two hour monthly minimum for prime service.

CompuServe sends all of their members a monthly magazine called "Today" which has general interest articles about telecommunications and some hardware and

software reviews. Through a service called "Electronic Bounce-back"(GO EBB), you can leave messages for manufacturers who advertise in the magazine.

There are many more services offered such as a Cooks SIG which has recipes, on-line magazines like Popular Science and Popular Electronics, News services and Movie reviews. There seems to be something for everyone.

After using CompuServe for eight months, I think this is one of the best database services available, especially since there is a SIG for Atari users. If you are interested in expanding your telecommuting horizons, I'd recommend giving CompuServe a try. I will have an article on using the Atari SIG in a later issue.

***** SPECIAL CLEARANCE SALE *****

SANTA'S COMING EARLY... ALL THESE SUPER SPECIALS FOR YOUR ATARI
400,600, 800, 1200, 1400.

-GAME TITLE	LIST	OUR PRICE*
Starbowl Baseball (c+d)	31.95	22.95 *
Starbowl Football (C+D)	34.95	22.95 *
Jumpman (D)	39.95	26.99 *
Bank Street Writer Disk	69.95	47.97 *
Temple of Apshai (C+D)	39.95	25.97 *
Necromancer (C+D)	34.95	23.50 *
Shamus Case 1 (C+D)	31.95	22.97 *
Shamus Case 11 (C+D)	31.95	22.97 *
Choplifter (D)	34.95	22.97 *
Choplifter (ROM)	44.95	29.97 *
Lode Runner (C+D)	29.95	24.95 *
Activision River Raid(C+D)	39.95	29.95 *
Activision Kaboom(C+D)	39.95	29.95 *
Drol (D)	29.00	25.00 *
Pitstop (C+D)	35.00	29.00 *
War Games (C+D)	54.00	39.00 *
Pharaohs Curse (C+D)	34.95	23.97 *
Blue Max (C+D)	34.95	23.97 *
Zaxxon (C+D)	39.95	25.99 *
Pooyan (C+D)	28.95	21.95 *

* Due to such low prices please send check, or money order.
Free Catalog with each order.

VIDEO BOX C= CASSETTE
P.OB.OX 3316 D= DISK
FARMINGTON HILLS MICHIGAN 48018 ROM= CARTRIDGES

PLEASE ENCLOSE \$2.00 FOR SHIPPING
MICHIGAN RESIDENTS ADD 4% SALES TAX
100% MONEY BACK GUARANTEE

ATARI

Home Computers & Software

Computers ● Printers ● Accessories
Hardware ● Disk Drives ● Furniture

JUST SOFTWARE

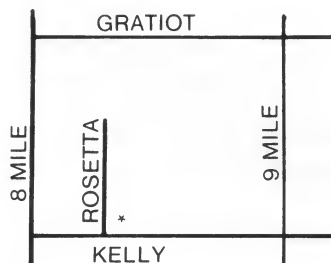
We're The Keys To Your Future
22205 Kelly Road
East Detroit, MI 48021
313-445-BYTE
Phone orders are welcome!

We also carry software for
APPLE & COMMODORE

THIS MONTH'S
SPECIAL

**ATARI 1025
PRINTER**

\$329.00
80 Columns, No 850
Interface Needed



EVERYTHING DISCOUNTED! EVERYDAY!

**** FORTH SIG ****

Tom Chrapkiewicz, Mgr, Michigan Atari
Computer Enthusiasts FORTH SIG

NOVEMBER MEETING MINUTES

At the November meeting we discussed several version-specific details of the various ATARI-Forths available.

We spent some time (as usual) discussing the various strengths and weaknesses of the various Forths. There is a difference in the manner in which certain commands expect data on the stack (eg: the DRAWTO word in ELCOMP Forth as opposed to the Bay Area, Val and APX Forths).

In regard to the various 'Bay-Area' versions:

*The 1.5s version seems to have a system lockup problem which occurs while using the system supplied editor.

*The 1.4s version locks up when the FORGET word is used.

Topics for potential group projects were discussed. Many ideas were 'tossed around. A topic which seems to have widespread appeal is a Data-base Manager written in Forth. This would yield a Data-Base System which could have commands added as the user requires them.

These topics are still open to discussion.

DECEMBER MEETING

There will be no December Forth meeting due to the holidays.

JANUARY 1984 MEETING

The time and place of the January meeting will be announced at a later date. Details will be published in the January MACE Journal.

For more information call me at (313)772-8291.

**** NEWS RELEASE ****

Local FORTH Interest Group Meeting

Announced--EVERYONE WELCOME!

December, 1983

The Detroit Area Atari chapter of the FORTH Interest Group (FIG) invites you to join them at their next meeting in January.

The FORTH group is a worldwide non-profit organization of over 3,500 members devoted to dissemination of information about the FORTH language. This local meeting is open to everyone--beginner to expert. You need not be a FIG member to attend the meeting.

FORTH is an extensible, powerful, interactive, transportable and compact computer language. It can include an interpreter, compiler, assembler, operating system and editor. Implementations are available for micro, mini and mainframe computers.

FIG membership of \$15.00 includes a 1 year subscription to FORTH Dimensions- the bimonthly (6/yr) non-profit publication of the FORTH Interest Group.

For further information on this local meeting contact Tom Chrapkiewicz at (313)772-8291. For general information call the FIG HOT LINE (415)952-8653 or write the FORTH Interest Group, P.O. Box 1105, San Carlos, CA 94070.

For further information on MACE, the Michigan Atari Computer Enthusiasts, Call the MACE Hotline at (313)978-1685.

NEW PHONE FOR M.A.C.E. WEST

The MACE WEST BBS number has been changed to (313)-582-0657. Sysop is Ed Middlebrook. Happy telecomputing!

TELECOMMUNICATIONS CORNER by Chas Nocita

Modem users and Ma Bell

In the November issue of "Compute!" magazine, there is a guest editorial by Robert Braver, which should be of interest to anyone who uses their computer and a modem for telecommunications.

Apparently, modem users in Oklahoma can have their telephone service changed from residence class to business class if they register their modem with the telephone company. The author of the article, who operates a bulletin board, found out about this when he requested a trace on his line. The telephone company actually changed his rate to the higher business rate, and retroactively charged him since "they should have charged for a business installation in the first place". Southwestern Bell of Oklahoma has a tariff which automatically classifies a line which passes any type of data as a business line (at much higher monthly rates). This tariff was written in the mid-sixties when there was no such thing as a home computer. The author, Robert Braver, has organized a group in the Oklahoma area to fight this tariff.

When I read this article, I was shocked! I could see my phone bill going up even more, just because I use my computer and modem to access local bulletin boards and Compuserve. Since I'm involved in telecommunications, I decided to check this out for MACE members.

It took about seven different calls, but I finally reached Virginia King who works in Michigan Bell's Tariff Department. I told Ms. King the problem that has been written about in "COMPUTE", and she explained how Michigan Bell's tariff #7 works. The tariff states that if a line is used in any way for business purposes, it must be classified as a business line. If a modem is used for business purposes, then the line would have to be classified as a business line. But, if the residence line is used for normal residence purposes, there is no reason to reclassify the line. Ms. King said that any equipment that is used for residence purposes, including a modem or a dialer, can be used on a residence line with no problem. Of course, it must have a

F.C.C. registration number on it, and according to F.C.C. regulations, it must be reported to the phone company business office.

Just to make sure, I called my local business office. The service representative that I spoke to was not familiar with the term "modem". But she checked with a supervisor and she told me that there was no requirement to reclassify the line, and that a RJ11C type jack could be ordered with no problem.

So there you have it, MACE members; if you are interested in joining us in telecommuting, you can do so without worrying about line reclassifications, business rates and all that. If you need help in getting started, the MACE Telecommunications SIG will be meeting in the near future. If you have questions, you can leave them in the MACE suggestion box at any meeting, or attend a SIG meeting.

Happy Holidays


Our best wishes for a warm and happy holiday with the friends and family you hold dearest. And may the New Year offer the blessings and peace that we share now at Christmastime.

GEORGE HICKMAN ELECTRIC

772-1982/294-6570

24 Hour Service

- COMMERCIAL
- RESIDENTIAL
- INDUSTRIAL



AMODEM ATARI-ATARI

When sending files from Atari to Atari using a version of Amodem, you should do the following:

1. Set BOTH machines to ATARI
MODE <SELECT T>
2. Both use the same BAUD RATE,
300 or 1200
3. Set both Amodem programs to
half duplex <SELECT> P
4. Set BOTH modems to FULL
duplex.

The receiver must push <START> first!! This will send a CONTROL-U symbol to the sender. The sender upon seeing the CONTROL-U symbol can now push <START>. The Amodem program will now do all the work.

UNCLASSIFIED AD'S

JVC KD-75 Cassette Deck. Like new. \$109.00 or best offer. Call (313)-375-1225

Pioneer RT707 reel to reel tape deck (3 motor, 4 head), used twice, \$309.00. Call (313)-375-1225

Looking for investors for a disk drive and telephone line to start a BBS. Please call Eric Chodun at 559-1639.

Mosaic 32K Ram Select. Lifetime guarantee. \$60.00. Mike Evans, Sarnia, Ontario (519)-542-8972

Assorted Photographic Equipment-chemicals, paper, etc.;PAKO electro-gloss print dryer (\$150.00);AKAI 150D tape deck - open reel (\$75.00) - Randy Hicks, 544-0455

Conversational Esperanto - little known Atari language course. Will trade for conversational Serbo-Croatian. Call 555-1212. Ask for Ma.

For sale - Atari 810 disk drive. In "new" condition. \$300.00. Call Mike at 978-8432.



DISCOUNT

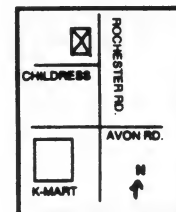


COMPUTER PRODUCTS

- COMPUTERS
- DISK DRIVES
- PRINTERS
- MODEMS
- SOFTWARE
- SUPPLIES
- CLASSES
- FURNITURE



— *New Location* —



546 ROCHESTER RD.
ROCHESTER MICH.
48063

HOURS:
MON — SAT
11:00am till 7:00pm

— Call —
313 652-8555

THE COMPUTER CELLAR

LANGUAGE SIG
By Todd Meitzner, Secretary, SIGASM

October's Meeting

In the October's meeting it was decided to have the Sig_Assembler involved in a group project. The project was to create a game similar to PACMAN. This type of game was chosen for our project as it simpler than others to implement. Some of the members volunteered for various parts of the project.

November's Meeting

In the November's meeting the results of one months work on the project were shown. While there is still a long way to go, the project appears to be going along quite well. It was also decided where to have the January meeting. Pat McCabe volunteered for the use of his house for this.

December's Meeting

The meeting place for December's meeting is to be at Todd Meitzner's house in Royal Oak. It will take place as usual on the first Thursday, December 1st. It will start at 7:00 with socializing with the actual business portion beginning at 7:30. You may contact me at 542-1752 for further info. Hope you are there.



WORD SEARCH PUZZLE

'Tis The Season!

```

R V F R I E N D S Y U L E T I D E U N A
E P O G J B L S N O W F L A K E D V S O
E E U M E R R Y Q S A M T S I R H C I M
H A Z F H H S P A R A D E S K S I A X O
C C Y J H A Z W W P X M P T L J T Z K C
M E O C G R I C S S B X D O H J A U W G
U N J M M D L K L L E W R O T U R K E Y
V H U Y L S T N E M A N R O O M U V D
P T G N B D N T L N C M C H H M J E H V
O T H U F I E Z E M P M U L T I P L A N
J C T P W S O N O J Y Q E H L X V I T H
J U O R V K G G N X N G J L C J S D Z W
D S T N E S E R F E O F I A R N P P W B
Y T I R A H C J W O C W E T B O I F D C
V M T F F Q E Y R F D E Q N S X H R K W
J E E D S Y E C M O A V Y A H G Z Y G H
Y D A V F A S K O P Y E Y S R Y M K M A
W O S L R O V G V S S Q T T I R A T A B
I M P S N O S R E P W O N S F A M I L Y
M K Y Q X A H Q J X E A W N J F N M W U
    
```

WORD LIST FOR: 'TIS THE SEASON

ATARI
 CAROLS
 CHARITY
 CHEER
 CHRISTMAS
 FAMILY
 FRIENDS
 GOODWILL
 GRINCH
 HARD DISK
 JOY
 MERRY
 MODEM
 MULTIPLAN
 NEWYEAR
 NOEL
 ORNAMENTS
 ORWELL
 PARADES
 PEACE
 PRESENTS
 SANTA
 SCROOGE
 SNOWFLAKE
 SNOWPERSONS
 TURKEY
 YULETIDE

M. A. C. E.
MICHIGAN ATARI COMPUTER ENTHUSIASTS

P.O. Box 2785; Southfield, Mi. 48037

BULLETIN BOARDS: 544-0885/582-0657

MACE HOTLINE: (MEETING INFO.) 978-1685

PRESIDENT

Michael Lechkun
32229 Ruehle
Warren, MI. 48093
978-1685 (CompuServe:70655,645)

VICE-PRESIDENT

Wallace Duvall
15579 Chestnut
Roseville, Mi. 48066
772-1982

TREASURER

Ken Kirkman
14125 Riverside Dr.
Livonia, Mi. 48154
525-0516

CORRESPONDING SECRETARY

Jane Simon
2345 Pinecrest
Ferndale, Mi. 48220
399-1694 (CompuServe: 74065,1545)

RECORDING SECRETARY

Faris Ajo
6642 Leytonstone
West Bloomfield, Mi. 48033
661-0388

PROGRAM COORDINATOR

Thomas Sturza
18684 Purlingbrook
Livonia, Mi. 48152
477-2345

DISK LIBRARIAN

Chet Gonterman
35088 Savannah Lane
Farmington Hills, Mi. 48018
553-7443

CASSETTE LIBRARIAN

James Phillips
40008 Cambridge, Bldg 23-Apt 103
Canton Township, Mi. 48187
981-1523

MEMBERSHIP CHAIRMAN

Paul Wheeler
14842 Fielding
Detroit, Mi. 48223
538-3649

M.A.C.E. JOURNAL EDITOR

Marshall S. Dubin
3237 Doral Drive
Rochester, Michigan 48063
(313) 375-9047

NEXT MEETING: 1/17/84; 7:00 PM

Southfield Pavillion Ten & A Half Mile Road and Evergreen

M.A.C.E.
P.O Box 2785
Southfield, MI 48037

\$20.00 fee for 12 months

M.A.C.E. MEMBERSHIP APPLICATION

Name _____ Phone _____
Street _____
City _____ State _____ Zip Code _____
Company (if applicable) _____
System Description _____ Disk/Tape _____
Suggestions _____
I can help with _____

☐ NEW ☐ RENEWAL

If Renewal, MACE # _____

*Make checks payable to:
M.A.C.E.

Date _____ Coupon _____

Amount _____ Membership Card Number _____

☐ Cash Expires _____

☐ Check Number _____

RITE WAY ENTERPRISES

Gift Certificate to **VOID**

Gift Certificate to **VOID**

From _____
This certificate entitles you to



RITE WAY

CASH REGISTERS • COMPUTERS

688371

688371



RITE WAY ENTERPRISES INC.

(313) 751-2454
8262 12 MILE RD.
WARREN, MI 48093

(313) 559-2980
19783 12 MILE RD.
SOUTHFIELD, MI 48076
IN THE EVERGREEN PLAZA

(313) 562-3178
22027 MICHIGAN AVE.
DEARBORN, MI 48124

MICHIGAN ATARI COMPUTER ENTHUSIASTS
P.O. BOX 2785
SOUTHFIELD, MICHIGAN 48037

553-4005 ATARI Library

559-1676 Trading
882-5909 Policy
459.4531 BBS

BULK RATE
U.S. POSTAGE
PAID
PERMIT #431
SOUTHFIELD, MI

ATASCII

No Trans

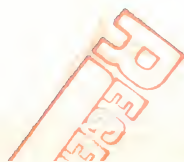
Total 32
Fill (Ret)

use ~ Text ~ end
to cut off characters
at end of each line
Downloads.

MODERN

AT 53 = 27

Run Software ad



01/84

48230

IMPORTANT DATED MATERIAL

PLEASE DO NOT DELAY

Printing and Bindery Services by • GRAPHIC ENTERPRISES, INC. Detroit, Michigan • 313-839-6800